

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218439

Luminaire Tested: **4SNLED-LD5-42SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-42SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3966.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

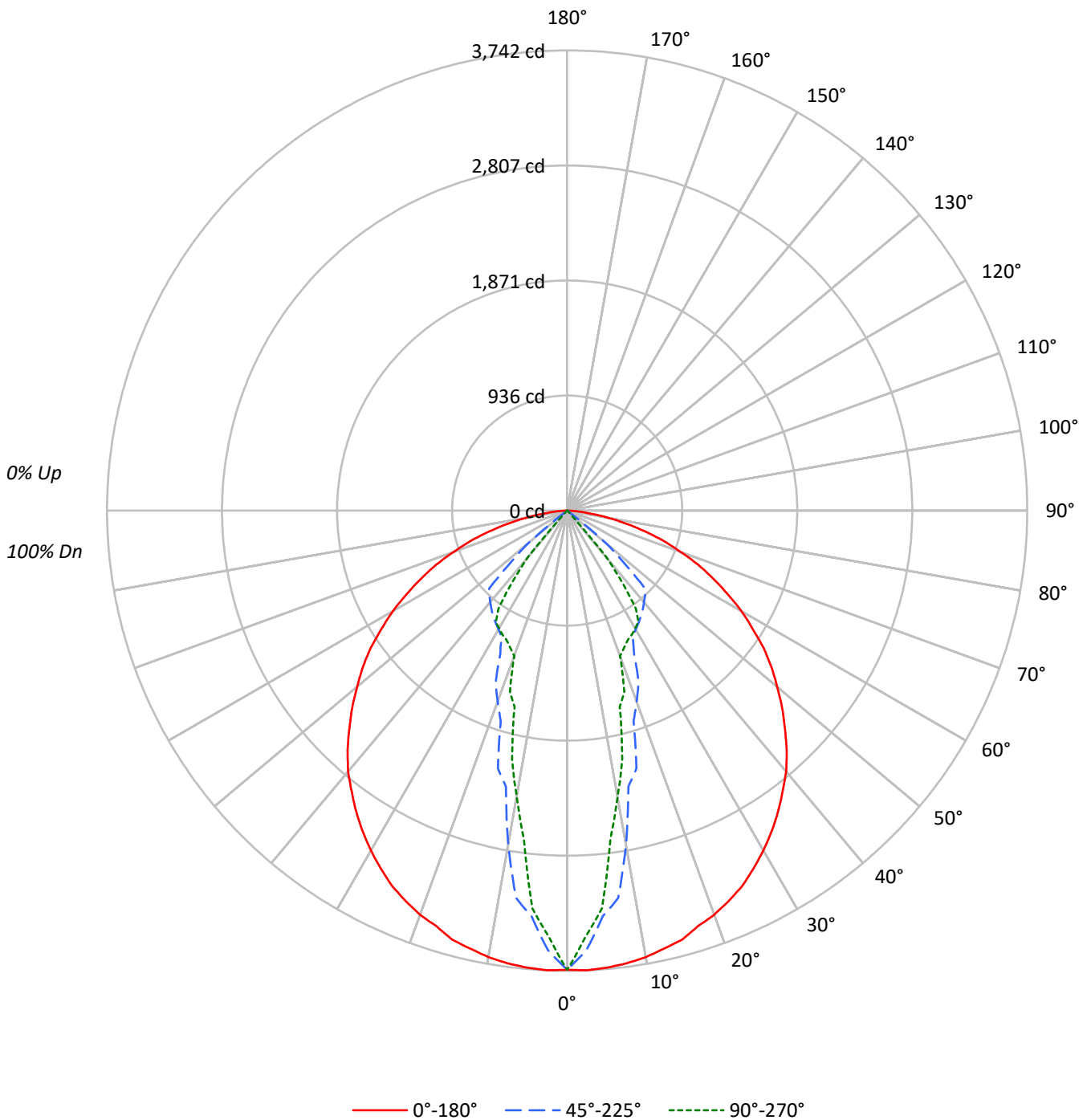
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60172	60172	60172
5°	60120	50336	48300
10°	59875	39919	32850
15°	59581	30259	21740
20°	59060	22319	15809
25°	58739	17048	14109
30°	57988	14565	13048
35°	57154	13582	11267
40°	56294	12634	5657
45°	54764	11747	22
50°	53239	5579	0
55°	51736	183	0
60°	49201	136	0
65°	45885	56	0
70°	41483	30	0
75°	35314	32	25
80°	25315	34	26
85°	12240	37	28



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.2	7.8
10°-20°	664.3	16.8
20°-30°	792.6	20.0
30°-40°	843.3	21.3
40°-50°	616.1	15.5
50°-60°	393.5	9.9
60°-70°	236.9	6.0
70°-80°	92.3	2.3
80°-90°	18.7	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1765.1	44.5
0°-40°	2608.4	65.8
0°-60°	3618.0	91.2
0°-90°	3966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3734	3734	3734	3734	3734	
5°	3730	3548	3312	3253	3247	355
15°	3612	3080	2172	1693	1652	1017
25°	3368	2147	1288	1173	1164	1550
35°	2990	1418	1047	1047	974	1871
45°	2504	918	895	4	2	1934
55°	1951	725	13	2	0	1737
65°	1311	295	4	2	0	1297
75°	656	15	2	2	2	693
85°	98	2	2	2	2	136
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3734.2	3734.2	3734.2	3734.2	3734.2
2.5°	3741.9	3716.9	3578.9	3521.4	3465.8
5°	3730.4	3548.2	3312.5	3253.0	3247.3
7.5°	3713.1	3377.6	3178.3	2837.1	2693.3
10°	3686.3	3266.5	2756.6	2469.0	2361.7
12.5°	3647.9	3101.6	2298.4	2133.5	2070.3
15°	3611.5	3080.5	2171.9	1692.7	1652.4
17.5°	3542.5	2651.1	1794.2	1591.1	1545.0
20°	3496.5	2455.6	1650.5	1380.2	1257.5
22.5°	3435.1	2340.6	1518.2	1255.6	1207.7
25°	3368.1	2147.0	1288.2	1173.2	1163.6
27.5°	3281.8	1888.2	1154.0	1142.5	1138.7
30°	3191.7	1602.6	1115.7	1111.8	1106.1
32.5°	3093.9	1489.5	1081.2	1081.2	1075.4
35°	2990.4	1418.5	1046.6	1046.6	973.8
37.5°	2879.2	1328.4	1012.1	1012.1	732.3
40°	2770.0	1138.7	971.9	674.8	494.6
42.5°	2643.5	983.4	937.4	471.6	3.8
45°	2503.5	918.2	895.2	3.8	1.9
47.5°	2371.2	872.2	609.6	1.9	0.0
50°	2229.4	822.4	417.9	1.9	0.0
52.5°	2095.2	776.4	19.2	1.9	0.0
55°	1951.4	724.6	13.4	1.9	0.0
57.5°	1788.5	674.8	11.5	1.9	0.0
60°	1637.1	621.1	9.6	1.9	0.0
62.5°	1470.3	527.2	5.8	1.9	0.0
65°	1311.2	295.2	3.8	1.9	0.0
67.5°	1154.0	47.9	3.8	1.9	0.0
70°	981.5	32.6	1.9	1.9	0.0
72.5°	822.4	24.9	1.9	1.9	1.9
75°	655.6	15.3	1.9	1.9	1.9
77.5°	490.7	9.6	1.9	1.9	1.9
80°	337.4	5.8	1.9	1.9	1.9
82.5°	203.2	1.9	1.9	1.9	1.9
85°	97.8	1.9	1.9	1.9	1.9
87.5°	30.7	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)